FORM OP - D04	=O	RM	OP -	D04
---------------	----	----	------	-----

	FED	ERA	LI	Y	ENF	OR	CEA	BL	E
--	-----	-----	----	---	-----	----	-----	----	---

Swion D

Facility Name McDonnell Douglas Corporation 4. Applicable Requirements (federal, state and local regulations			County No. 4160 s plus any federally enforceal	Plant No. 0010 ole permit conditions	
Emission Point/Unit	Pollutant	Applicable Requirement Authority (CSR#, CFR#, Permit No., etc.)	Emission Limit or S and Units		Compliance Determination Method (Testing, Monitoring, etc.)
Plant -wide	N.A.	10 CSR 10-5.250 Time Schedule for Compliance	Requires new and existing in compliance with the register certain dates specified in the sp	ulations by	N.A.

Use FORM OP - D05 for any specific Compliance Determination Method applicable to the Emission Unit. You must attach a completed FORM OP - E01, "Compliance Plan/Status" if the Emission Unit is currently failing to meet any Applicable Requirements, FORM OP- E01 delineates what provisions are not being met and what steps will be taken to bring the Unit back into compliance.

FEDERALLY ENFORCEABLE

section D

Facility Name McDonnell Douglas Corporation		nell Douglas Corporation 4160 0010			Year Submitted 1997
4. Applicabl	e Requirement	s (federal, state and local regulations )	olus any federally enforces	able permit conditions)	
Emission Point/Unit	Pollutant	Applicable Requirement Authority (CSR#, CFR#, Permit No., etc.)	Emission Limit and Un		Compliance Determination Method (Testing, Monitoring, etc.)
Plant	Regulated	10 CSR 10-6.110	Facility is required to su	ıbmit an annual	McDonnell Douglas Corporation
-wide	Air	Submission of Emission Data,	EIQ report since its pote	ential emissions	prepares and submits an annual
	Contami-	Emission Fees and Process	of any one pollutant list	ed in Table 1 of	Emission Inventory Questionnaire
	nants*	Information	10 CSR 10-6.020(3) exce	eed the de minimis	report with all appropriate
			levels. Facility is also r	equired to pay	emission fees to the agency.
			emission fees per ton o	f pollutant.	
Plant	SO <sub>2</sub> CO,	10 CSR 10-6.130	Rule identifies the agen	cy director's role	McDonnell Douglas Corporation
-wide	$\overline{NO_2,O_3,}$	Controlling Emissions	during high periods of a	air pollution	shall implement requests of the
	PM-10	During Episodes of High Air	potential. The facility is	required to	agency director during periods of
		Pollution Potential	develop alert plans whi	ch it must	high air pollution control potential
			implement when reques	sted by the director	for its stationary sources.
			(10 CSR 10-6.130 (7)-(9)	).	
	<del></del>				

Use FORM OP - D05 for any specific Compliance Determination Method applicable to the Emission Unit. You must attach a completed FORM OP - E01, "Compliance Plan/Status" if the Emission Unit is currently failing to meet any Applicable Requirements, FORM OP- E01 delineates what provisions are not being met and what steps will be taken to bring the Unit back into compliance.

MO 780-1519 (REV. April 11, 1996)

Duplicate this form as needed

Page D04F-13

FORM	OP	- D04	
OLZIAL	O	- 00-	

## FEDERALLY ENFORCEABLE

Section D

Facility Nam	ne		County No.	Plant No.	Year Submitted		
McDonnell Douglas Corporation		4160	0010	1997			
4. Applicable Requirements (federal, state and local regulations plus any federally enforceable permit conditions)							
Emission Point/Unit	Pollutant	Applicable Requirement Authority (CSR#, CFR#, Permit No., etc.)	Emission Limit or S and Units	tandard	Compliance Determination Method (Testing, Monitoring, etc.)		
Plant -wide	Any Regulated Air Contami- nants	10 CSR 10-6.150 Circumvention	No limits or standards. Rule prohibits facilities from con diluting emissions of a pollua rule of the Air Conservation	cealing or utant violating	McDonnell Douglas Corporation abides by the requirements of this rule.		

Use FORM OP - D05 for any specific Compliance Determination Method applicable to the Emission Unit. You must attach a completed FORM OP - E01, "Compliance Plan/Status" if the Emission Unit is currently failing to meet any Applicable Requirements, FORM OP- E01 delineates what provisions are not being met and what steps will be taken to bring the Unit back into compliance.

				- 3		1
FO	R	M	OF	) _	D	04

FEDERALLY	Y ENFORCEABLE
-----------	---------------

Section D

Facility Name			County No.	Plant No.		Tear Submitted
•	ouglas Corporati	ion	4160 0010			1997
		federal, state and local regulations (	olus any federally enforceable	permit conditions)		
Emission Point/Unit	Pollutant	Applicable Requirement Authority	Emission Limit or Standard and Units		Compliance Determination Method (Testing, Monitoring, etc.)	
Plant-wide	*	10 CSR 10-6.180	Rule states that any soul			nell Douglas has
		Measurement of Emissions	complete, or have compl	eted, tests of	•	med tests in the past at the
		of Air Contaminants	emissions or, at the option	on of the	agency	director's request and will
		-	agency, make the source	available for		ue to do so as required by
	-		tests of emissions.		the reg	julation.
				-		
·						
<del></del>						
				:		
					-	
		<u> </u>	1		-	

Use FORM OP - D05 for any specific Compliance Determination Method applicable to the Emission Unit.
You must attach a completed FORM OP - E01, "Compliance Plan/Status" if the Emission Unit is currently failing to meet any Applicable Requirements, FORM OP- E01 delineates what provisions are not being met and what steps will be taken to bring the Unit back into compliance.

MO 780-1519 (REV. April 11, 1996)

Duplicate this form as needed

Page D04F-15

			100	-	
FOR	М	OF	<b>-</b> C	D	)4

## FEDERALLY ENFORCEABLE

Section D

<b>Facility Nam</b>	е		County No.	Plant No.	Year Submitted
	ouglas Corp		4160	0010	1997
4. Applicable	e Requiremen	nts (federal, state and local regulations	plus any federally enforceab	le permit conditions)	
Emission Point/Unit			Emission Limit or Standard and Units		Compliance Determination Method (Testing, Monitoring, etc.)
			See Attac	hed	

Use FORM OP - D05 for any specific Compliance Determination Method applicable to the Emission Unit. You must attach a completed FORM OP - E01, "Compliance Plan/Status" if the Emission Unit is currently failing to meet any Applicable Requirements, FORM OP- E01 delineates what provisions are not being met and what steps will be taken to bring the Unit back into compliance.

FORM OP - D04			Section D
Facility Name	County No.	Plant No. *	Year Submitted
<b>McDonnell Douglas Corporation</b>	4160	0010	1997

Note: In addition to the following "emission unit specific" applicable requirements, all emission points included on this form are reported annually in McDonnell Douglas' Emission Inventory

Questionnaire. McDonnell Douglas' obligation to recordkeep, prepare, and submit an annual emissions report for these sources is being addressed herein as a "plant-wide" applicable requirement.

EIQ POINT NO.	EMISSION UNIT NO.	EMISSION UNIT DESCRIPTION	POLLUTANT	APPLICABLE REQUIREMENTS	EMISSION LIMIT OR STANDARD AND UNITS	COMPLIANCE DETERMINATION METHOD (TESTING, MONITORING, ETC.)
UILDING FU	UGITIVES					
BF-STC-03	BF-STC-03	Facility-Wide Cleaning/Hand-Wipe Activities (Aerospace Production)	VOC/HAP	40 CFR Part 63 Subpart GG, Aerospace NESHAP (As revised on the date of Title V Permit issuance) Applicable subsections of 63,743, 63,744, 63,749, 63,750, 63,752 and 63,753 10 CSR 10-6,075, Maximum Available Control Technology Regulations (Same as 40 CFR Part 63 Subpart GG)	As identified in the Aerospace NESHAP (as amended)	An initial notification was sent to EPA on December 22, 1995. However, a compliance determination is not required at this time since the compliance date for this NESHAP is not until September 1, 1998 for existing sources. See Form OP-D05 for future compliance determination methods.
OLD CLEAR				The second file of the second fi		Table 1 Control of the Control of th
CC-STC-01	CC-STC-01	Spray Gun Cleaning Operations (Aerospace Production)	VOC/HAP	40 CFR Part 63 Subpart GG, Aerospace NESHAP (As revised on the date of Tide V Permit issuance) Applicable subsections of 63.743, 63.744, 63.749, 63.751, 63.752 and 63.753 10 CSR 10-6.075, Maximum Available Control Technology Regulations (Same as 40 CFR Part 63 Subpart GG)	As identified in the Aerospace NESHAP (as amended)	An initial notification was sent to EPA on December 22, 1995. However, a compliance determination is not required at this time since the compliance date for this NESHAP is not until September 1, 1998 for existing sources. See Form OP-D05 for future compliance determination methods.  McDonnell Douglas uses cold cleaners meeting
			Voc	10 CSR 10-5.300, Control of Emissions from Solvent Metal Cleaning	Rule establishes: 1) equipment specifications, 2) operating procedures, 3) monthly recordkeeping requirements, and 4) annual operator training.	the specifications identified in Section (4) (A) of the rule; and has annual operator training and monthly record keeping systems in place.
CC-STC-01	CC-506-01	Cold Cleaner	VOC	10 CSR 10-5.300, Control of Emissions from Solvent Metal Cleaning	Same as EU: CC-STC-01	Same as EU: CC-STC-01
CC-STC-01	CC-506-02	Cold Cleaner	voc	10 CSR 10-5.300, Control of Emissions from Solvent Metal Cleaning	Same as EU: CC-STC-01	Same as EU: CC-STC-01
CC-STC-01	CC-506-03	Cold Cleaner	voc	10 CSR 10-5.300, Control of Emissions from Solvent Metal Cleaning	Same as EU: CC-STC-01	Same as EU: CC-STC-01
CC-STC-01	CC-598-01	Cold Cleaner	VOC	10 CSR 10-5.300, Control of Emissions from Solvent Metal Cleaning	Same as EU: CC-STC-01	Same as EU: CC-STC-01
CC-STC-01	CC-598-02	Cold Cleaner	VOC	10 CSR 10-5.300, Control of Emissions from Solvent Metal Cleaning	Same as EU: CC-STC-01	Same as EU: CC-STC-01
			voc	10 CSR 10-6.060, Construction Permits Required Construction Permit #0396-014 (Issued: 2/23/96)	Construction Permit #0396-014:  1) Total VOC emissions from two (2) cold cleaners are limited to 12.2 tons in any consecutive 12 month period.  2) Record keeping requirements: records shall be kept for five (5) years. Emissions shall be calculated using material mass balance based on 100% VOC content of the solvent used. These records shall contain both monthly and 12 month totals.  3) Reporting required if the 12-month cumulative total records indicate that the source has exceeded the VOC limit. Reporting must be done no later than ten (10) days after the end of each month.  4) Cold cleaners shall comply with requirements of 10 CSR 10-5.300 (4).	McDonnell Douglas demonstrates compliance by the record keeping method specified in condition #2 and the reporting requirements specified in condition #3 of the permit.



FORM OP - D04

**Facility Name** County No. Plant No. . Year Submitted **McDonnell Douglas Corporation** 4160 0010 1997

Note: In addition to the following "emission unit specific" applicable requirements, all emission points included on this form are reported annually in McDonnell Douglas' Emission Inventory

EIQ POINT NO.	EMISSION UNIT NO.	EMISSION UNIT DESCRIPTION	POLLUTANT	APPLICABLE REQUIREMENTS	EMISSION LIMIT OR STANDARD AND UNITS	COMPLIANCE DETERMINATION METHOD (TESTING, MONITORING, ETC.)
COLD CLEAN						
CC-STC-01	CC-598-03	Cold Cleaner	voc	10 CSR 10-5,300, Control of Emissions from Solvent Metal Cleaning	Same as EU: CC-STC-01	Same as EU: CC-STC-01
			Voc	10 CSR 10-6.060, Construction Permits Required Construction Permit #0396-014 (Issued 2/23/96)	Construction Permit #0396-014:  1) Total VOC emissions from two (2) cold cleaners are limited to 12.2 tons in any consecutive 12 month period.  2) Record keeping requirements: records shall be kept for five (5) years. Emissions shall be calculated using material mass balance based on 100% VOC content of the solvent used. These records shall contain both monthly and 12 month totals.  3) Reporting required if the 12-month cumulative total records indicate that the source has exceeded the VOC limit. Reporting must be done no later than ten (10) days after the end of each month.  4) Cold cleaners shall comply with requirements of 10 CSR 10-5.300 (4).	Same as EU: CC-598-02
CC-STC-01	CC-598-04	Cold Cleaner	VOC	10 CSR 10-5.300, Control of Emissions from Solvent Metal Cleaning	Same as EU: CC-STC-01	Same as EU: CC-STC-01
CC-STC-01	CC-598-05	Cold Cleaner	VOC	10 CSR 10-5.300, Control of Emissions from Solvent Metal Cleaning	Same as EU: CC-STC-01	Same as EU: CC-STC-01
OATING LIP	ES					
CL-STC-01	SB-598-01	Spray Booth (Aerospace Production)	VOC/HAP	40 CFR Part 63 Subpart GG, Aerospace NESHAP (As revised on the date of Title V Permit issuance) Applicable subsections of 63.745, 63.745, 63.750, 63.751, 63.752, and 63.753 10 CSR 10-6.075, Maximum Available Control Technology Regulations (Same as 40 CFR Part 63 Subpart GG)	As identified in the Aerospace NESHAP (as amended)	An initial notification was sent to EPA on December 22, 1995. However, a compliance determination is not required at this time since the compliance date for this NESHAP is not until September 1, 1998 for existing sources. See Form OP-D05 for future compliance determination methods.
			PM	10 CSR 10-5.050, Restriction of Emission of Particulate Matter From Industrial Processes	The emission of particulate matter from any one (1) hour cannot exceed the concentrations shown in Table II of the rule for the process weight rate associated with that source.	Concentrations as determined by engineering and mass balance calculations using material throughputs, spray gun transfer efficiency, and booth filter efficiency do not exceed the requirements of this rule.
			voc	10 CSR 10-5.330, Control of Emissions from Industrial Surface Coating Operations	Emission limit for aerospace assembly and components: Primers: 6.0 lbs VOC/gal (less H <sub>2</sub> O and exempt VOCs) Topcoats: 5.0 lbs VOC/gal (less H <sub>2</sub> O and exempt VOCs)	McDonnell Douglas complies with this rule by following the appropriate record keeping requirements of Section (6).

FORM OP - D04

PM

VOC

VOC/HAP

PM

VOC

SB-598-05

Spray Booth

(Aerospace Production)

CL-STC-01

Facility Name				County No.	Plant No.	Year Submitted
	McDonnell Douglas Corporation			4160 0010		1997
				irements, all emission points included on this form are reported a d submit an annual emissions report for these sources is being ad		
EIQ	EMISSION	EMISSION UNIT	POLLUTANT	APPLICABLE	EMISSION LIMIT OR STANDARD	COMPLIANCE DETERMINATION METHOI
POINT NO.	UNIT NO.	DESCRIPTION		REQUIREMENTS	AND UNITS	(TESTING, MONITORING, ETC.)
CL-STC-01	NES   SB-598-02	Spray Booth (Aerospace Production)	VOC/HAP	40 CFR Part 63 Subpart GG, Aerospace NESHAP (As revised on the date of Title V Permit issuance) Applicable subsections of 63.743, 63.745, 63.749, 63.750, 63.751, 63.752, and 63.753 10 CSR 10-6.075, Maximum Available Control Technology Regulations (Same as 40 CFR Part 63 Subpart GG)	Same as EU: SB-598-01	Same as EU: SB-598-01
			PM	10 CSR 10-5.050, Restriction of Emission of Particulate Matter From Industrial Processes	Same as EU: SB-598-01	Same as EU: SB-598-01
			voc	10 CSR 10-5.330, Control of Emissions from Industrial Surface Coating Operations	Same as EU: SB-598-01	Same as EU: SB-598-01
CL-STC-01	SB-598-03	Spray Booth (Aerospace Production)	VOC/HAP	40 CFR Part 63 Subpart GG, Aerospace NESHAP (As revised on the date of Title V Permit issuance) Applicable subsections of 63.743, 63.745, 63.749, 63.750, 63.751, 63.752, and 63.753 10 CSR 10-6.075, Maximum Available Control Technology Regulations (Same as 40 CFR Part 63 Subpart GG)	Same as EU: SB-598-01	Same as EU: SB-598-01
			PM	10 CSR 10-5.050, Restriction of Emission of Particulate Matter From Industrial Processes	Same as EU: SB-598-01	Same as EU; SB-598-01
			voc	10 CSR 10-5.330, Control of Emissions from Industrial Surface Coating Operations	Same as EU: SB-598-01	Same as EU: SB-598-01
CL-STC-01	SB-598-04	Spray Booth (Aerospace Production)	VOC/HAP	40 CFR Part 63 Subpart GG, Aerospace NESHAP (As revised on the date of Title V Permit issuance) Applicable subsections of 63 743, 63 745, 63 749, 63 750, 63 751, 63 752, and 63.753 10 CSR 10-6.075, Maximum Available Control Technology Regulations (Same as 40 CFR Part 63 Subpart GG)	Same as EU: SB-598-01	Same as EU: SB-598-01

10 CSR 10-5.050, Restriction of Emission of Particulate Matter

From Industrial Processes

10 CSR 10-5.330, Control of Emissions from

Industrial Surface Coating Operations

40 CFR Part 63 Subpart GG, Aerospace NESHAP

(As revised on the date of Title V Permit issuance)

Applicable subsections of 63.743, 63.745, 63.749, 63.750, 63.751, 63.752, and 63.753
10 CSR 10-6.075, Maximum Available Control Technology Regulations
(Same as 40 CFR Part 63 Subpart GG)
10 CSR 10-5.050, Restriction of Emission of Particulate Matter

From Industrial Processes

10 CSR 10-5.330, Control of Emissions from

Industrial Surface Coating Operations

Same as EU: SB-598-01

Same as EU: SB-598-01

Same as EU: SB-598-01

Same as EU SB-598-01

Same as EU: SB-598-01

FORM OP - D04

Facility Na	acility Name			County No.	Plant No.	Year Submitted	
	McDoi	nnell Douglas Corporation		4160	0010	1997	
				uirements, all emission points included on this form are reported a nd submit an annual emissions report for these sources is being add	-	-	
EIQ	EMISSION	EMISSION UNIT	POLLUTANT		EMISSION LIMIT OR STANDARD	COMPLIANCE DETERMINATION METHOD	
POINT NO.	UNIT NO.	DESCRIPTION		REQUIREMENTS	AND UNITS	(TESTING, MONITORING, ETC.)	
CL-STC-01	SB-598-06	Bench Spray Booth (Aerospace Production) (Non-Aerospace NESHAP primers/topcoats)	VOC/HAP	All coatings applied in this booth shall comply with the requirements applicable to aerospace assembly and components, if any, contained in:  40 CFR Part 63 Subpart GG, Aerospace NESHAP (As revised on the date of Title V Permit issuance) Applicable subsections of 63.743, 63.745, 63.745, 63.750, 63.751, 63.752, and 63.753 10 CSR 10-6.075, Maximum Available Control Technology Regulations	Same as EU: SB-598-01 as applicable	This booth is currently used solely for the application of non-Aerospace NESHAP primers and topcoats. These activities are exempt from the requirements of 40 CFR Part 63, Subpart GG. If	
				(Same as 40 CFR Part 63 Subpart GG)		covered aerospace operations are undertaken in this booth, then McDonnell Douglas will implement all applicable record keeping, reporting and monitoring requirements, as provided under EU: SB-598-01. For future compliance, see Form OP-D05 associated with SB-598-01 for the applicable requirements of 40 CFR Part 63, Subpart GG.	
			PM	10 CSR 10-5.050, Restriction of Emission of Particulate Matter From Industrial Processes	Same as EU: SB-598-01	Same as EU; SB-598-01	
			voc	10 CSR 10-5.330, Control of Emissions from Industrial Surface Coating Operations	Same as EU: SB-598-01	Same as EU; SB-598-01	
CL-STC-01	SB-598-07	Bench Spray Booth (Aerospace Production) (Non-Aerospace NESHAP primers/topcoats)	VOC/HAP	All coatings applied in this booth shall comply with the requirements applicable to aerospace assembly and components, if any, contained in:  40 CFR Part 63 Subpart GG, Aerospace NESHAP (As revised on the date of Title V Permit issuance) Applicable subsections of 63.743, 63.745, 63.749, 63.750, 63.751, 63.752, and 63.753  10 CSR 10-6.075, Maximum Available Control Technology Regulations (Same as 40 CFR Part 63 Subpart GG)	Same as EU: SB-598-01 as applicable	This booth is currently used solely for the application of non-Aerospace NESHAP primers and topcoats. These activities are exempt from the requirements of 40 CFR Part 63, Subpart GG. If covered aerospace operations are undertaken in this booth, then McDonnell Douglas will implement all applicable record keeping, reporting and monitoring requirements, as provided under EU: SB-598-01. For	
						future compliance, see Form OP-D05 associated with SB-598-01 for the applicable requirements of 40 CFR Part 63, Subpart GG.	
			PM	10 CSR 10-5.050, Restriction of Emission of Particulate Matter From Industrial Processes	Same as EU: SB-598-01	Same as EU: SB-598-01	
			voc	10 CSR 10-5.330, Control of Emissions from Industrial Surface Coating Operations	Same as EU: SB-598-01	Same as EU: SB-598-01	
CL-STC-01	SB-598-08	Conformal Coating Booth (Aerospace Production)	VOC/HAP	All coatings applied in this booth shall comply with the requirements applicable to aerospace assembly and components, if any, contained in:  40 CFR Part 63 Subpart GG, Aerospace NESHAP  (As revised on the date of Title V Permit issuance)	Same as EU; SB-598-01 as applicable	This booth is currently used solely for applying conformal coatings. These activities are exempt from the requirements of 40 CFR Part 63, Subpart GG. If covered aerospace operations are undertaken in this booth, then McDonnell Douglas will implement all	
				Applicable subsections of 63.743, 63.745, 63.749, 63.750, 63.751, 63.752, and 63.753  10 CSR 10-6.075, Maximum Available Control Technology Regulations (Same as 40 CFR Part 63 Subpart GG)		applicable record keeping, reporting and monitoring requirements, as provided under EU: SB-598-01. For future compliance, see Form OP-D05 associated with SB-598-01 for the applicable requirements of 40 CFR Part 63, Subpart GG.	
			PM	10 CSR 10-5.050, Restriction of Emission of Particulate Matter From Industrial Processes	Same as EU: SB-598-01	Same as EU: SB-598-01	
			voc	10 CSR 10-5.330, Control of Emissions from Industrial Surface Coating Operations	Same as EU: SB-598-01	Same as EU: SB-598-01	

FORM OP - D04

Section D Facility Name County No. Plant No. Year Submitted **McDonnell Douglas Corporation** 4160 0010 1997

EIQ POINT NO.	EMISSION UNIT NO.	EMISSION UNIT DESCRIPTION	POLLUTANT	APPLICABLE REOUIREMENTS	EMISSION LIMIT OR STANDARD AND UNITS	COMPLIANCE DETERMINATION METHOD (TESTING, MONITORING, ETC.)
OATING LI			Service Continues	NOQUINEMENTS	ALLO GITTO	(IESTING, MONITORING, ETC.)
CL-STC-01	MB-598-01	Mixing/Touch-Up Paint Booth (Aerospace Production) (Non-Aerospace NESHAP primers/topcoats)	VOC/HAP	All coatings applied in this booth shall comply with the requirements applicable to aerospace assembly and components, if any, contained in:  40 CFR Part 63 Subpart GG, Aerospace NESHAP (As revised on the date of Title V Permit issuance) Applicable subsections of 63.743, 63.745, 63.749, 63.750, 63.751, 63.752, and 63.753 10 CSR 10-6.075, Maximum Available Control Technology Regulations (Same as 40 CFR Part 63 Subpart GG)	Same as EU: SB-598-01 as applicable	This booth is currently used solely for the application of non-Aerospace NESHAP primers and topcoats. These activities are exempt from the requirements of 40 CFR Part 63, Subpart GG. If covered aerospace operations are undertaken in this booth, then McDonnell Douglas will implement all applicable record keeping, reporting and monitoring requirements, as provided under EU: SB-598-01. For future compliance, see Form OP-D05 associated with SB-598-01 for the applicable requirements of 40 CFR Part 63, Subpart GG.
			PM	10 CSR 10-5.050, Restriction of Emission of Particulate Matter From Industrial Processes	Same as EU: SB-598-01	Same as EU: SB-598-01
			voc	10 CSR 10-5.330, Control of Emissions from Industrial Surface Coating Operations	Same as EU: SB-598-01	Same as EU: SB-598-01
CL-STC-01	SB-599-01	Paint Booth (Aerospace Production)	VOC/HAP	40 CFR Part 63 Subpart GG, Aerospace NESHAP (As revised on the date of Tille V Permit issuance) Applicable subsections of 63.743, 63.745, 63.749, 63.750, 63.751, 63.752, and 63.753 10 CSR 10-6.075, Emission Standards for Hazardous Air Pollutants (Same as 40 CFR Part 63 Subpart GG)	Same as EU: SB-598-01	Same as EU: SB-598-01
			PM	10 CSR 10-5.050, Restriction of Emission of Particulate Matter From Industrial Processes	Same as EU: SB-598-01	Same as EU: SB-598-01
			voc	10 CSR 10-5.330, Control of Emissions from Industrial Coating Operations	Same as EU SB-598-01	Same as EU; SB-598-01
	N SOURCES					
CS-STC-01	CS-STC-01A	Natural Gas Indirect Fired Combustion Equipment	PM	10 CSR 10-5.030, Maximum Allowable Emission of Particulate Matter from Fuel Burning Equipment Used for Indirect Heating	The PM emission limits for "new" and "existing" sources have been determined and are shown in Table D05-2.	See Attachment A
			N.A.:	10 CSR 10-5.060, Refuse Not to be Burned in Fuel Burning Installations	No person shall burn, cause, or permit the burning of refuse in any installation which is designed to primarily burn fuel.	This combustion unit is not capable of burning solid fuel.
CS-598-01	CS-598-01	Natural Gas Boiler (10-100 MMBTU/hr) (Fuel oil back-up)	PM	10 CSR 10-5.030, Maximum Allowable Emission of Paniculate Matter from Fuel Burning Equipment Used for Indirect Heating	The PM emission limit is 0,18 lb/MMBtu	See Attachment A
			N.A.	10 CSR 10-5.060, Refuse Not to be Burned in Fuel Burning Installations	No person shall burn, cause, or permit the burning of refuse in any installation which is designed to primarily burn fuel.	This combustion unit is not capable of burning solid fuel.
CS-598-02	CS-598-02	Natural Gas Boiler (10-100 MMBTU/hr) (Fuel oil back-up)	PM	10 CSR 10-5.030, Maximum Allowable Emission of Particulate Matter from Fuel Burning Equipment Used for Indirect Heating	Same as EU; CS-598-01	Same as EU: CS-598-01
		2 5	N.A.:	10 CSR 10-5.060, Refuse Not to be Burned in Fuel Burning Installations	No person shall burn, cause, or permit the burning of refuse in any installation which is designed to primarily burn fuel.	This combustion unit is not capable of burning solid fuel.
CS-STC-01	CS-598-03	Natural Gas Boiler (<10 MMBTU/hr) (Fuel oil back-up)	PM	10 CSR 10-5.030, Maximum Allowable Emission of Particulate Matter from Fuel Burning Equipment Used for Indirect Heating	Same as EU: CS-598-01	Same as EU: CS-598-01
			N.A.	10 CSR 10-5.060, Refuse Not to be Burned in Fuel Burning Installations	No person shall burn, cause, or permit the burning of refuse in any installation which is designed to primarily burn fuel.	This combustion unit is not capable of burning solid fuel.

Facility Name				County No.	Plant No.	Year Submitted	
	McDonnell Douglas Corporation			4160	0010	1997	
				uirements, all emission points included on this form are reported and submit an annual emissions report for these sources is being a		•	
EIQ POINT NO.	EMISSION UNIT NO.	EMISSION UNIT DESCRIPTION	POLLUTANT	APPLICABLE REQUIREMENTS	EMISSION LIMIT OR STANDARD AND UNITS	COMPLIANCE DETERMINATION METHOI (TESTING, MONITORING, ETC.)	
DMBUSTIO	N SOURCES						
CS-STC-01	CS-598-04	Natural Gas Boiler (<10 MMBTU/hr) (Fuel oil back-up)	PM	10 CSR 10-5.030, Maximum Allowable Emission of Particulate Matter from Fuel Burning Equipment Used for Indirect Heating	Same as EU: CS-598-01	Same as EU: CS-598-01	
			N.A.	10 CSR 10-5,060, Refuse Not to be Burned in Fuel Burning Installations	No person shall burn, cause, or permit the burning of refuse in any installation which is designed to primarily burn fuel.	This combustion unit is not capable of burning solid fuel.	
CS-STC-01	CS-599-01	Natural Gas Boiler (<10 MMBTU/hr) (Fuel oil back-up)	PM	10 CSR 10-5.030, Maximum Allowable Emission of Particulate Matter from Fuel Burning Equipment Used for Indirect Heating	Same as EU: CS-598-01	Same as EU: CS-598-01	
			N.A.	10 CSR 10-5.060, Refuse Not to be Burned in Fuel Burning Installations	No person shall burn, cause, or permit the burning of refuse in any installation which is designed to primarily burn fuel.	This combustion unit is not capable of burning solid fuel.	
CS-STC-01	CS-599-02	Natural Gas Boiler (<10 MMBTU/hr) (Fuel oil back-up)	PM	10 CSR 10-5.030, Maximum Allowable Emission of Particulate Matter from Fuel Burning Equipment Used for Indirect Heating	Same as EU: CS-598-01	Same as EU: CS-598-01	
			N.A.	10 CSR 10-5.060, Refuse Not to be Burned in Fuel Burning Installations	No person shall burn, cause, or permit the burning of refuse in any installation which is designed to primarily burn fuel.	This combustion unit is not capable of burning solid fuel.	
	OPERATION:						
MC-STC-01	MC-STC-01	Facility-Wide Chemical Depainting (Aerospace Production)	HAP	40 CFR Part 63 Subpart GG, Aerospace NESHAP (As revised on the date of Title V Permit issuance) Applicable Subsections of63.743, 63.746, 63.749, 63.750, 63.752 and 63.753 10 CSR 10-6.075, Maximum Available Control Technology Regulations (Same as 40 CFR Part 63 Subpart GG)	As identified in the Aerospace NESHAP (as amended)	An initial notification was sent to EPA on December 22, 1995. However, a compliance determination is not required at this time since the compliance date for this NESHAP is not until September 1, 1998 for existing sources. See Form OP-D05 for future compliance determination methods.	
NONE	DP-STC-01	Facility-Wide Non-Chemical Depainting Operations (Aerospace Production)	НАР	40 CFR Part 63 Subpart GG, Aerospace NESHAP (As revised on the date of Title V Permit issuance) Applicable Subsections of 63.743, 63.746, 63.749, 63.751, 63.752 and 63.753 10 CSR 10-6.075, Maximum Available Control Technology Regulations (Same as 40 CFR Part 63 Subpart GG)	As identified in the Aerospace NESHAP (as amended)	An initial notification was sent to EPA on December 22, 1995. However, a compliance determination is not required at this time since the compliance date for this NESHAP is not until September 1, 1998 for existing sources. See Form OP-D05 for future compliance determination methods.	
MERGENO	CY GENERAT	ORS					
NONE	EG-STC-01	Facility-Wide Emergency Generators	Opacity	10 CSR 10-5.180, Emission of Visible Air Contaminants from Internal Combustion Engines	No visible air contaminants can be discharged from an internal combustion engine for more than 10 consecutive seconds at any one time.	Agency Inspection Records  Note: Facility-Wide emergency generators are insignificant sources, but are listed on this form because of the existence of this one applicable requirement (10 CSR 10-5.180).	
AZARDOUS	WASTE		and the separation of				
NONE	HW-STC-01	Facility-Wide HAP-Containing Wastes Generated from Aerospace Activities (Not Subject to RCRA)	НАР	40 CFR Part 63 Subpart GG, Aerospace NESHAP (As revised on the date of Title V Permit issuance) Applicable Subsections of 63.743, 63.748 and 63.749 10 CSR 10-6.075, Maximum Available Control Technology Regulations (Same as 40 CFR Part 63 Subpart GG)	As identified in the Aerospace NESHAP (as amended)	An initial notification was sent to EPA on December 22, 1995. However, a compliance determination is not required at this time since the compliance date for this NESHAP is not until September 1, 1998 for existing sources. See Form OP-D05 for future compliance determination methods.	



FORM OP - D04			Section D
Facility Name	County No.	Plant No.	Year Submitted
McDonnell Douglas Corporation	4160	0010	1997

Note: In addition to the following "emission unit specific" applicable requirements, all emission points included on this form are reported annually in McDonnell Douglas' Emission Inventory

EIQ POINT NO.	EMISSION UNIT NO.	EMISSION UNIT DESCRIPTION	POLLUTANT	APPLICABLE REQUIREMENTS	EMISSION LIMIT OR STANDARD AND UNITS	COMPLIANCE DETERMINATION METHOD (TESTING, MONITORING, ETC.)
JEL STORA	GE TANKS					
ST-STC-01	ST-506-20	Gasoline Underground Storage Tank (1,000 gallons)	VOC	40 CFR Part 80.22 (j), Regulation of Fuels and Fuel Additives	After January 1, 1998 (since the facility throughput is less than 10,000 gallons per month) gasoline dispensing rate will be limited to 10 gallons per minute for cars and light trucks.	Field verification per EPA Field Dispenser Flow Rate Test Procedure.
			VOC	10 CSR 10-5.220,5(A) and (D) Control of Petroleum Liquid Storage Loading and Transfer	(5) Gasoline Transfer: Equipment Standards: Gasoline storage tanks with >500 gallons capacity must meet the requirements of Sections (5) (A) and (5)(D).	McDonnell Douglas' storage tanks with capacities >500 gallons are equipped with a submerged fill pipe and meet the specifications of Section (5)(A) 1-4. Records of each gasoline delivery ticket are kept on file and will be made available to the agency upon request.
NONE	ST-598-21	Fuel Oil #2 Underground Storage Tank (25,000 gallons)	Voc	40 CFR Part 60, Subpart Kb, 60.116(b)Volatile Organic Liquid Storage NSPS 10 CSR 10-6.070, New Source Performance Regulations	Rule sets equipment specification standards for tanks meeting certain storage capacity and vapor pressure criteria. The vapor pressure of the fuel oil no. 2 stored in this tank is less than the 15 KPa stated in the rule. Per Section 60.110b, this tank is subject only to the record keeping requirements of paragraphs (a) and (b) of Section 60.110b and is excluded from the provisions of Subpart A and the remaining sections of Subpart Kb.	Record keeping: McDonnell Douglas keeps records showing the dimensions and calculated storage capacity of this tank. Records shall be kept for the life of the tank.
APOR DEGI	UEASERS.					
VD-598-01	VD-598-01	Open Top Vapor Degreaser	НАР	40 CFR Part 63, Subpart T, Halogenated Solvent Cleaning NESHAP Applicable Subsections of 63.460, 63.466, 63.467, 63.467 and 63.468 10 CSR 10-6.075, Maximum Available Control Technology Regulations Pollutants (Same as 40 CFR Part 63 Subpart T)	Rule establishes design requirements, sets standards, and offers affected solvent cleaning machines three options for compliance: 1) installing emission control equipment, 2) meeting an idling mode emission limit, or 3) meeting a limit on total emissions. Options 1 and 2 are in conjunction with work practice standards and automated parts handling.	An initial notification was sent to EPA on August 14, 1995. However, a compliance determination is not required at this time since the compliance date for this NESHAP is not until December 2, 1997 for existing sources. This degreaser shall comply by the three (3) month rolling average and the associated record keeping and reporting requirements. (See Form OP-D05 for future compliance determination methods).
			voc	10 CSR 10-5.300, Control of Emissions from Solvent Metal Cleaning	Rule establishes: 1) equipment specifications and work practice standards for open-top degreasers and conveyorized degreasers, 2) monthly record keeping requirements and 3) annual operator training.	McDonnell Douglas uses open-top vapor degreasers that meet the equipment specifications identified in Section (4) (B) and the work practice standards identified in Section (5) (B). Annual operator training and monthly record keeping systems have been established. A list of qualified operators and operating procedures is posted on this machine.

_		EMISSION UNI	TS REPORT	TED ON EIQ WHICH HAVE NO	OTHER APPLICABLE REQUIR	
	OP - D04					Section
Facility Na	me		C	County No.	Plant No.	Year Submitted
]	<b>McDonnell Douglas Corporation</b>			4160	0010	1997
Questionna	nire. McDon	nell Douglas' obligation to reco	dkeep, prepare	requirements, all emission points included or e, and submit an annual emissions report for	these sources is being addressed herein as a	"plant-wide" applicable requirement.
EIQ POINT NO.	EMISSION UNIT NO.	EMISSION UNIT DESCRIPTION	POLLUTANT	APPLICABLE REQUIREMENTS	EMISSION LIMIT OR STANDARD AND UNITS	COMPLIANCE DETERMINATION METHOD (TESTING, MONITORING, ETC.)
	EALANT USAC			ALQUINE IN THE STATE OF THE STA		(12011110, MONITORING, ETC.)
AS-STC-01	MS-598-20	Oil Based Resin Impregnator	N.A.	No emission unit specific applicable requirements	N.A.	N.A.
AS-STC-01	OV-598-13	Electric Epoxy Curing Oven	N.A.	No emission unit specific applicable requirements	N.A.	N.A.
AS-STC-01	OV-598-14	Electric Adhesive/Sealant Curing Oven	N.A.	No emission unit specific applicable requirements	N.A.	N.A.
AS-STC-01	OV-598-15	Electric Adhesive/Sealant Curing Oven	N.A.	No emission unit specific applicable requirements	N.A.	N.A.
AS-STC-01	OV-598-17	Electric Bonding Curing Oven	N.A.	No emission unit specific applicable requirements	N.A.	N.A.
AS-STC-01	OV-598-18	Electric Bonding Curing Oven	N.A.	No emission unit specific applicable requirements	N.A.	N.A.
AS-STC-01	OV-598-21	Electric Resin Baking Oven	N.A.	No emission unit specific applicable requirements	N.A.	N.A.
BUILDING F	UGITIVES					
BF-STC-02	PI-598-01	Penetrant Inspection Line	N.A.	No emission unit specific applicable requirements	N.A.	N.A.
BF-STC-03	MS-598-13	Circuit Board Tester	N.A.	No emission unit specific applicable requirements	N.A.	N.A.
BF-STC-03	VS-598-01	Solvent Storage	N.A.	No emission unit specific applicable requirements	N.A.	N.A.
COATING LI	NES					
CL-STC-01	MB-598-02	Paint Mixing Booth (Benchscale)	N.A.	No emission unit specific applicable requirements	N.A.	N.A.
CL-STC-01	OV-598-06	Electric Oven	N.A.	No emission unit specific applicable requirements	N.A.	N.A.
CL-STC-01	OV-598-08	Electric Paint Curing oven	N.A.	No emission unit specific applicable requirements	N.A.	N.A.
CL-STC-01	OV-598-09	Electric Paint Curing oven	N.A.	No emission unit specific applicable requirements	N.A.	N.A.
CL-STC-01	OV-598-10	Electric Oven	N.A.	No emission unit specific applicable requirements	N.A.	N.A.
CL-STC-01	OV-598-11	Electric Paint Curing oven	N.A.	No emission unit specific applicable requirements	N.A.	N.A.
			1			

## EMISSION UNITS REPORTED ON EIQ WHICH HAVE NO OTHER APPLICABLE REQUIREMENTS

FORM OP - D04			Section D
Facility Name	County No.	Plant No.	Year Submitted
McDonnell Douglas Corporation	4160	0010	1997

Note: In addition to the following "emission unit specific" applicable requirements, all emission points included on this form are reported annually in McDonnell Douglas' Emission Inventory Questionnaire. McDonnell Douglas' obligation to recordkeep, prepare, and submit an annual emissions report for these sources is being addressed herein as a "plant-wide" applicable requirement.

EIQ POINT NO.	EMISSION UNIT NO.	EMISSION UNIT DESCRIPTION	POLLUTANT	APPLICABLE REQUIREMENTS	EMISSION LIMIT OR STANDARD AND UNITS	COMPLIANCE DETERMINATION METHOD (TESTING, MONITORING, ETC.)
LAINTENAN	CE COATING LIN	IES				
MP-STC-01	SB-500-01	Spray Booth (Maintenance)	N.A.	No emission unit specific applicable requirements	N.A.	N.A.
MP-STC-01	MB-500-01	Paint Mixing Booth	N.A.	No emission unit specific applicable requirements	N.A.	N.A.
ROCESS TA	NKS					
PT-598-01A	PT-598-01A1	Process Tank	N.A.	No emission unit specific applicable requirements	N <sub>i</sub> A.	N.A.
PT-598-01A	PT-598-01A2	Process Tank	N.A.	No emission unit specific applicable requirements	N.A.	N.A.
PT-598-01A	PT-598-01A3	Process Tank	N.A.	No emission unit specific applicable requirements	N.A.	N.A.
PT-598-01A	PT-598-01A4	Process Tank	N.A.	No emission unit specific applicable requirements	N.A.	N.A.
PT-598-01B	PT-598-01B1	Process Tank	N.A.	No emission unit specific applicable requirements	N.A.	N.A.
PT-598-01B	PT-598-01B2	Process Tank	N.A.	No emission unit specific applicable requirements	N.A.	N.A.

FORM	OP -	D04	APPLI
	<b>U</b> r =		AFFL

### FEDERALLY ENFORCEABLE

**Section D** 

Facility Name	ouglas Corpora	ation	County No. 4160	Plant No.		Year Submitted 1997
TEATHER PROPERTY OF THE PARTY O	ACCORDING TO SECURITION OF THE PARTY OF THE	(federal, state and local regulations pl	is any federally enforceat	ole permit conditions)		
Emission Point/Unit	Pollutant	Applicable Requirement Authority (CSR#, CFR#, Permit No., etc.)	Emission Limit and Ur			ance Determination Methodesting, Monitoring, etc.)
SB-598-01	VOC	10 CSR 10-6.060	Permit Limit = 77.95 tons of VOC in any		McDon	nell Douglas has
through		Construction Permits	consecutive 12 month	period from spray	establis	shed a monthly record-
SB-598-05,		Required	booths, coating ovens, vapor degreasers,		keeping	g system to track the VOC
SB-598-08,			and miscellaneous pro	cesses combined.	emissio	ons from the sources
SB-598-09,		Construction Permit			covered	d by this permit.
SB-599-01,		No. 0396-022	Recordkeeping: Record	rds shall contain		
OV-598-01		(Issued: 3/2/96)	both monthly and 12-m	nonth cumulative		
through			totals.			
OV-598-05,						
VD-598-01,	<del></del>		Reporting required if the	ne 12-month		
MB-598-01,			cumulative total record	Is indicate that the		
and			source has exceeded t	he VOC limit.		
Misc.			(Reporting must be do	ne no later than		
Processes			ten (10) days after the	end of each month.)		
(listed				-		
on the			Applicable requiremen	ts specified by the		
permit)			permit: 10 CSR 10-6.11	0, 10 CSR 10-6.065,		
			-5.160, -5.090, -6.060. (I	nstallation level).		
		,	-5.160, -5.090, -6.060. (I	nstallation level).	····	

Use FORM OP - D05 for any specific Compliance Determination Method applicable to the Emission Unit.
You must attach a completed FORM OP - E01, "Compliance Plan/Status" if the Emission Unit is currently failing to meet any Applicable Requirements, FORM OP- E01 delineates what provisions are not being met and what steps will be taken to bring the Unit back into compliance.

FORM OP - D04

**APPLICABLE REQUIREMENTS** 

## FEDERALLY ENFORCEABLE

**Section D** 

Facility Name		County No. Plant No.		Year Submitted		
	ouglas Corpora		4160	0010		1997
Applicable	Requirements	(federal, state and local regulations plu	is any federally enforceable	permit conditions)		
Emission Point/Unit	Pollutant	Applicable Requirement Authority (CSR#, CFR#, Permit No., etc.)	Emission Limit or and Unit			iance Determination Method esting, Monitoring, etc.)
SB-598-01 through SB-598-05, SB-598-08, SB-598-09, SB-599-01, OV-598-01 through OV-598-05, VD-598-01, MB-598-01, and Misc.	VOC	10 CSR 10-6.060  Construction Permits  Required (continued from previous page)  Construction Permit  No. 0396-022 (Issued: 3/2/96)	Spray booths shall complimits for primers and top 10-5.330. Recordkeeping Record quantity and VOC coatings used.  Vapor degreaser shall corequirements of 10 CSR	oly with emission occurs in 10 CSR prequirement: Content of omply with	McDon primer with Vorecord Section McDon require for this meetin tions, o	esting, Monitoring, etc.)  nnell Douglas uses is and topcoats compliant OC emission limits and keeping requirements (of in (6)) of the rule.  Innell Douglas follows the ements of 10 CSR 10-5.300 is vapor degreaser by ing the equipment specifica- conducting operator training, cord keeping.
(listed on the permit)						

Use FORM OP - D05 for any specific Compliance Determination Method applicable to the Emission Unit.
You must attach a completed FORM OP - E01, "Compliance Plan/Status" if the Emission Unit is currently failing to meet any Applicable Requirements, FORM OP- E01 delineates what provisions are not being met and what steps will be taken to bring the Unit back into compliance.

FORM OP - DO	05 COMPLIANO	CE DETERMINATION	<b>METHODS</b>	F	EDERALLY EN	FORCEABL	E Section D
Facility Name McDonnell Dou	glas Corporation		County No.	1160	Plant No.	10	Year Submitted 1997
	lant-wide	Emission Unit No. <i>Plant-wid</i>		• • •		CFR Part 61. 61.145, 61.15	, 50, 61.152, and 61.153
		s (Testing, Monitoring, R	ec <b>ord</b> keeping, <b>R</b>				
Check the	Applicable Method			Basis of Complia	ance Method		
	Testing	Monitoring			pplicable Require	ements	
	Recordkeeping	Reporting		G	ap Filling		
Testing	Describe any tests which	have been performed to qu	antify emissions.	Include the date of	the test, methods	and procedu	res used, testing company,
		ing during the test and sum			•	•	, , ,
Date	Test Method <i>N.A.</i>	Firm		Operating Condi	tions	Summary of	f Results
Record kee		records are being maintain	and the frequency	of such records (he	ourly daily etc.)	I And the length	of time records are retained
	from the date of entry. For	r each recorded parameter	include the metho			and the length	
as required by	a) Being Recorded by the applicable subsection by 61.150, and 61.153	ns of For any asbestos Douglas will follo applicable subsec	Measurement Method  For any asbestos abatement work, McDonneld Douglas will follow the requirements of the applicable subsections of the rule including notification, registration, etc.				Record Retention  as required by regulation
Monitoring				Annual St.			
Monitoring Dev		Location Descrip		being monitored, sa	ampling frequenc		, and data reporting method. utant(s) Being Monitored
Sampling Frequ	uency	Duration of Sam	pling	How Data Will Be	Reported		
		uirements and provide the t		of report submittals	s to the agency.		
		61.150, and 61.153	Title of Report  Asbestos Project Notification			61.150, and	cable subsections of 61.145, 61.153
	Attach description for ar	ny Alternate Compliance	Demonstration N	lethods not listed	above and label	as EXHIBIT F	ORM OP - D05

							P
_			B A		$\Box$		76
_	u	ĸ	IVI	U	r -	D	JO

FEDERALLY ENFORCEABLE

Facility Name	glas Corporation		County No.	160	Plant No. 0010		Year Submitted 1997	
	No. Plant-wide	Emission Unit No. Plan	nt-wide	Applicable Requir	ement: 40	O CFR Part 70 a	and 10 CSR 10-6.065	
		ls (Testing, Monitoring, Re	cordkeeping, Rep	porting, etc.)				
The second secon	Applicable Method	in the state of th	11000	Basis of Complia	ance Method			
	Testing	✓ Monitoring		_ ✓ A	pplicable Requ	uirements		
	Recordkeeping	✓ Reporting		G	ap Filling			
Testing	Describe any tests whic company, operating con	h have been performed to d ditions existing during the to	quantify emissions. est and summary	of results.			· .	
Date	Test Method	Firm		Operating Conditi	ions S	ummary of Resi	ults	
	N.A.							
Account to	Recordkeeping  List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.							
Parameter (data	Parameter (data) Being Recorded Measurement Method Frequency Record Retention						Record Retention	
as required	by the applicable regulo	as required by th	the applicable regulations		as required by the applicable regulations		as required by the applicable regulations	
Monitoring								
		nonitoring used, location of n	nonitor, pollutants l	being monitored, sa	mpling frequer	ncy and duration	, and data reporting method. lutant(s) Being Monitored	
Monitoring Dev	ice Type by the applicable regulo	Location Descrip	otion				utant(s) being wontored	
Sampling Frequ	iency	Duration of Sam	mpling How Data Will Be Reported					
Reporting								
	Describe all reporting re-	quirements and provide the t		of report submittals	to the agency.			
Reporting Requ	irement	1	Title of Report			Submittal F	requency	
Prepare and submit operating permit application for the facility.			Operating Permit Application				once every five (5) years or as required by the applicable regulation	
Attach descript	ion for any Alternate C	ompliance Demonstration	Methods not liste	d above and label	as EXHIBIT F	ORM OP - D05		

FO	RM	OP	- D05

## FEDERALLY ENFORCEABLE

Facility Name McDonnell Douglas Corporation			County No. 4160		Plant No. 001	0	Year Submitted 1997	
Emission Point N	o. Plant-wide		nt-wide	Applicable Requir	Applicable sect	CFR Part 82 tions of Subpo ting Substance	art A: 82.13	
5. Compliance	Demonstration Metho	ods (Testing, Monitoring, I	Recordkeeping,	Reporting, etc.)				
	pplicable Method			Basis of Complia	ance Method			
-	Testing	✓ Monitoring		1	pplicable Require	ements		
<b>√</b> !	Recordkeeping	✓ Reporting		G	ap Filling			
<b>Testing</b> D	escribe any tests which perating conditions ex	th have been performed to constitutions that the heart and sure that the stand sure th	quantify emissions mmary of results.	: Include the date	of the test, metho		dures used, testing company,	
Date	rest Method N.A.	Firm		Operating Conditions Summ		Summary of	mary of Results	
Recordkeepi L	ist parameters for which	ch records are being mainta of entry. For each recorded	ined, the frequence parameter include	cy of such records ( the method of me	hourly, daily, etc asurement.	.) And the len	gth of time records are	
Parameter (data)	Being Recorded	Measurement M	ethod		Frequency		Record Retention	
amount and type	of Class I ozone depleted, receiving country	leting export records	cords		when Class I ozone depleting substance exp occurs		5 years	
Monitoring								
D m	escribe any emission nethod.	monitoring used, location of	monitor, pollutan	ts being monitored,	sampling freque			
Monitoring Devi	се Туре	Location Descri	ption			Poll	utant(s) Being Monitored	
1	identified in the above			How Data Will Be	Banartad			
Sampling Frequ	ency	Duration of Sam	ipling	How Data Will Bo	e Keporteu			
Reporting				C	-la ta tha agana			
1		equirements and provide the		cy of report submitt	als to the agency		roduonov	
Reporting Requirement report of Class I ozone depleting substance exports, to EPA			Title of Report  Class	Class I ODS Export Report with			ibmittal Frequency thin 45 days of the end of each ontrol period"	
Att	ach description for a	nny Alternate Compliance	Demonstration N	Methods not listed	above and labe	l as EXHIBIT	FORM OP - D05	

							5
_	~		B. 46	_	- 7	DU	
-	1	-	IVI.	~	-	111	יהו

FEDERALLY ENFORCEABLE

Facility Name			County No.	400	Plant No.	0	Year Submitted 1997	
McDonnell Douglas	s Corporation			160			1337	
<b>Emission Point No</b>	. Plant-wide	Emission Unit No. Plan	nt-wide	Applicable Requi		CFR Part 82	Lucinia D	
Servicing of Motor	Vehicle Air				Applicable s	sections of Su	opart B	
Conditioners								
5. Compliance De	monstration Metho	ds (Testing, Monitoring, Re	ecordkeeping, R	eporting, etc.)				
Check the App	licable Method			Basis of Complia	ance Method			
Te	sting	✓ Monitoring			pplicable Require	ments		
✓ Re	cordkeeping	✓ Reporting		G	ap Filling			
Testing							The second secon	
Des	scribe any tests which	n have been performed to quiditions existing during the tes	antify emissions. st and summary o	Include the date of f results.	the test, methods	and procedur	res used, testing	
	st Method	Firm		Operating Condit	tions	Summary of	Results	
	<i>N.A.</i>							
Recordkeeping								
List	parameters for which	h records are being maintain or each recorded parameter	ed, the frequency include the methor	of such records (ho od of measurement.	ourly, daily, etc.) A	and the length		
Parameter (data) B	eing Recorded	Measurement Me	ethod		Frequency		Record Retention	
1) operator training		1) Records of ope	erator training an	d certification will	1) as training a		5 years	
-,		be kept on file.			certification oc	curs		
2) use of proper eq.	uipment			ved will be used to	2) N.A.			
10 8 8 8		service motor veh	ticle air condition	iers.				
Monitoring								
Des	scribe any emission n	nonitoring used, location of r	nonitor, pollutants	being monitored, sa	ampling frequency	y and duration	, and data reporting method.	
Monitoring Device		Location Descrip	otion			Poli	utant(s) Being Monitored	
recordkeeping as id	lentified in the above							
Sampling Frequen	су	Duration of Sam	pling	How Data Will Be	e Reported			
V7 95-00 00								
Reporting								
Des	scribe all reporting re	quirements and provide the t		of report submittal	s to the agency.			
Reporting Require	ment	1	itle of Report			Submittal F	•	
Certification staten	nent to EPA stating t	that the individuals					an January 1, 1993 or within	
servicing motor vel	hicle air conditioners	s are properly certified		-		30 a	lays of new ownership	
"	approved equipment.	,						
Atta	Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05							

ORM OP - DO	05 COMPLIAN	CE DETERMINATIO	N METHODS	F	EDERALLY EN	FORCEABLE	E Section	n D
Facility Name McDonnell Dou	ıglas Corporation		County No.	4160	Plant No. 001	0	Year Submitted 1997	
Emission Point	No. Plant-wide	Emission Unit No. I	Plant-wide	Applicable Requi		CFR Part 82 sections of St	ıbpart E	
	Demonstration Method Applicable Method	s (Testing, Monitoring,	Recordkeeping, R	eparting, etc.)  Basis of Complia	ance Method			
	Testing Recordkeeping	✓ Monitoring Reporting			pplicable Require ap Filling	ments		
	Describe any tests which company, operating cond				the test, methods	and procedur	es used, testing	
Date	Test Method <i>N.A.</i>	Firm		Operating Condit	tions	Summary of	Results	
					ourly, daily, etc.) A	and the length	of time records are retained	d
Parameter (data) Being Recorded  1) warning statements on or accompanying final products manufactured with or containing Class I ozone depleting substances (and Class II ozone depleting substances after Jan 1, 2015 or promulgation of earlier labeling rule)  2) labeling of containers of Class I or II ozone depleting substances		keep a copy of the which accompanies ances after	Measurement Method Keep a copy of the forms (containing a warning lab which accompany the delivery of completed aircraft missiles, or subassemblies.		Frequency  with each product delivery		Record Retention 5 years	
Monitoring Dev	Describe any emission me	Location Descr		being monitored, sa	ampling frequency		, and data reporting method utant(s) Being Monitored	
Sampling Frequency	uency	Duration of Sar	npling	How Data Will Be	Reported		***************************************	
Reporting	Describe all reporting req		e title and frequency	of report submittals	s to the agency.			
Reporting Requ	None		Title of Report	-		Submittal Fr	N.A.	
	Attach description for a	ny Alternate Compliand	ce Demonstration N	vietnoas not listed	apove and label	as EXHIBIT F	UKM UP - D05	

FO	R	М	OP	_	1
	1./	181	OI.	-	

FEDERALLY ENFORCEABLE

Facility Name	glas Corporation		County No. 4160		Plant No.		Year Submitted 1997	
Emission Point Ozone Depleting Emission Reduct	No. Plant-wide Substance Recycling and ion		nt-wide	Applicable Requirement: 40 CFR Part 82 Applicable sections of Subpart F				
5. Compliance	Demonstration Metho	is (Testing, Monitaring, R	ecordkeeping, Ri	eparting, etc.)				
Check the	Applicable Method			Basis of Complia	ance Method			
	Testing	✓ Monitoring		✓ A	pplicable Require	ments		
	Recordkeeping	✓ Reporting	Reporting Gap Filling					
Testing								
<del>-</del>	Describe any tests which operating conditions exis	have been performed to qu ting during the test and sum	antify emissions. mary of results.	Include the date of	the test, methods	and procedu	es used, testing company,	
Date	Test Method	Firm		Operating Condit	tions	Summary of	Results	
	N.A.							
Recordkeep	List parameters for which	n records are being maintain or each recorded parameter	ed, the frequency include the metho	of such records (ho od of measurement.	ourly, daily, etc.) A	and the length	of time records are retained	
Parameter (data	a) Being Recorded	Measurement Me	ethod		Frequency		Record Retention	
1) per the requirements of 82.166  1) per the 2) operator training and certification 2) Records kept on file 3) use of proper equipment 3) Only eq		2) Records of oper kept on file. 3) Only equipmen service stationary i	per the requirements of 82.166  Records of operator training and certification will be sept on file. Only equipment which is approved will be used to ervice stationary refrigerant sources. Records of all refrigerant transfers will be kept on		1) per the requirements of 82.166 2) as training and certification occur 3) N.A. 4) as transfers are made		5 years	
4) records of all	refrigerant transfers	file.	ejrigerani iransjer	s will be kept on	us transjers u	re maae		
Monitoring								
		nonitoring used, location of n		being monitored, sa	ampling frequency			
Monitoring Dev		Location Descrip	otion			Poll	utant(s) Being Monitored	
, , ,	s identified in the above se							
Sampling Frequency	iency	Duration of Sam	pling	How Data Will Be	Reported			
Reporting	n :	in the second and the second and the second	Manager &	e farment auch auch auch an	A Alexander			
		quirements and provide the t		or report submittals	s to the agency.	C., b., 14-1 F.		
Reporting Requirement  Report to EPA any units which exceed allowable leak rates and can not be repaired within rule time frames per the requirements of 82.166.  Title of Repo		-	upon a reporti			ittal Frequency letermination that unit is subject to ing per the requirements of 82.166.		
	Attach description for a	any Alternate Compliance	Demonstration N	flethods not listed	above and label	as EXHIBIT F	FORM OP - D05	

FORM OP - D05	COMPLIAN	CE DETERMINATION	METHODS		EDERALL	Y ENFORCEA	BLE Section D
Facility Name McDonnell Douglas	Corporation		County No.	4160	Plant No.	0010	Year Submitted 1997
Emission Point No.	Plant-wide	Emission Unit No.	Plant-wide	Applicable Requir	ement:	10 CSR 10-5.07	0
		is (Testing, Monitoring, R	ecordkeeping, l				0.000
Check the Appli				Basis of Complia			
Tes	•	Monitoring			pplicable Re	equirements	
• • • • • • • • • • • • • • • • • • • •	cordkeeping	see below Reporting		G	Sap Filling		
		have been performed to qu ting during the test and sum		. Include the date of	the test, me	thods and proced	lures used, testing company,
Date Tes	t Method	Firm	1,5 4	Operating Conditi	ons	Summary of Re	sults
	N.A.						
from	the date of entry. For	or each recorded parameter	include the meth				th of time records are retained
Parameter (data) Be	ing Recorded	Measurement Me	thod		Frequency	у	Record Retention
	N.A.						
Monitoring Desc	rihe any emission m	onitoring used location of r	monitor pollutant	s being monitored sa	ampling frequ	uency and duration	on, and data reporting method.
Monitoring Device T		Location Descrip		s being monitored, se	ampling neq		ollutant(s) Being Monitored
_	N.A.						
Sampling Frequency	у	Duration of Samp	oling	How Data Will Be	Reported		
Reporting Desc	cribe all reporting req	uirements and provide the t	title and frequenc	cy of report submittals	s to the agen	ncy.	
Reporting Requirem	nent	Т	itle of Report		and constitutes.	Submittal	Frequency
No reporting require	d If any onas hum	sing is conducted		_			N.A.
		trictions and provisions		-			1 V • / 1 •
of Section (3) of the	•	p. 0 . 100.10					
		ny Alternate Compliance l	Demonstration				
MO 780-1519 (REV. /	April 11, 1996)			Duplicate this for	rm as need	ed	Page D05F-7

FORM OP - D	005 COMPLIAN	CE DETERMINATIO	N METHODS	F	<i>EDERALL</i>	Y ENFORCE	EABLE Section D		
Facility Name McDonnell Do	uglas Corporation		County No.	4160	Plant No.	0010	Year Submitted 1997		
<b>Emission Poin</b>	nt No. <i>Plant-wide</i>	Emission Unit No.	Plant-wide	Applicable Requir	ement:	10 CSR 10-5.	090		
5. Compliano	e Demonstration Method	s (Testing, Monitoring,	Recordkeeping, I	Reporting, etc.)			40.000		
Check the	Applicable Method		16 10 10 10 10 10 10 10 10 10 10 10 10 10	Basis of Complia	ance Metho	1			
	Testing	Monitoring				equirements			
	Recordkeeping	Reporting		/ G	ap Filling				
Testing									
	Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.								
Date	Test Method	Firm		Operating Condition	ons	Summary of	Results		
	N.A.								
Recordkeeping  List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.									
Parameter (da	ta) Being Recorded	Measurement N	Method		Frequenc	У	Record Retention		
	opacity	visu	al observation or l	Method 9	1	e attached e D05F-8A)	5 years		
Monitoring									
	Describe any emission m			s being monitored, sa	ampling freq	uency and dur	ation, and data reporting method.		
Monitoring De	vice Type	Location Descr	ription				Pollutant(s) Being Monitored		
visual observation or Method 9 particulate sources - see attached (Page									
							opacity		
Sampling Freq		Duration of Sar		- see attached (Page How Data Will Be I			opacity		
Sampling Freq		Duration of Sar					opacity		
Sampling Freq see at Reporting	tached (Page D05F-8A)  Describe all reporting req	Duration of Sar	npling (Page D05F-8A) e title and frequence	How Data Will Be I	Reported	ісу.	opacity		
Sampling Freq	tached (Page D05F-8A)  Describe all reporting req	Duration of Sar	npling (Page D05F-8A)	How Data Will Be I	Reported		opacity		
Sampling Freq see at Reporting	tached (Page D05F-8A)  Describe all reporting req	Duration of Sar	npling (Page D05F-8A) e title and frequence	How Data Will Be I	Reported				

FORM OP - F01

#### **GENERAL COMMENTS**

Section F

	00000		
Facility Name	County No.	Plant No.	Year Submitted
McDonnell Douglas Corporation	4160	0010	1997

### Form OP-D05 for 10 CSR 10-5.090 (Plant-wide)

Plant-wide opacity compliance will be determined through visual observation by McDonnell Douglas air pollution control staff. If an opacity problem is observed, a certified Method 9 Observer will be notified, and a follow-up Method 9 observation made and recorded. The visual observation will be as follows:

Boilers with fuel oil backup: Once each working day (air pollution staff) that natural gas supplies are interrupted to an affected boiler.

Emergency generators: Once each working day (air pollution staff) that electrical power is interrupted in an area served by emergency generators for a period of four hours or more (i.e., excluding equipment tests and brief outages).

Natural gas combustion units and other particulate emission sources not described above: Quarterly recorded plant-wide visual observation.

FORM OP - D05	COMPLIAN	CE DETERMINATION	METHODS	F	<i>EDERALLY</i>	ENFORCE	ABLE	Section L
Facility Name McDonnell Douglas	Corporation		County No.	4160	Plant No.	0010	Year Submitt	ted 997
Emission Point No.	Plant-wide	Emission Unit No.	Plant-wide	Applicable Requir	ement:	10 CSR 10-5.	100	
•		is (Testing, Monitoring, R	ecordkeeping, I					
Check the Appli	icable Method			Basis of Complia	ance Method			
Tes	•	Monitoring			pplicable Red	quirements		
Rec	cordkeeping	Reporting		/ G	Sap Filling			
Testing								
		have been performed to que ting during the test and sum		. Include the date of	the test, met	hods and proc	edures used, testing	g company,
Date Tes	t Method	Firm		Operating Conditi	ons	Summary of I	Results	
	N.A.							
Recordkeeping								
		n records are being maintain or each recorded parameter			ourly, daily, et	tc.) And the ler	ngth of time records	are retained
Parameter (data) Be	eing Recorded	Measurement Me	thod		Frequency		Record Reter	ntion
	N.A.							
Monitoring								
Description Description		nonitoring used, location of r		s being monitored, sa	ampling frequ		ation, and data report Pollutant(s) Being	
Wontoning Device	Type	Location Descrip	don				Politicalit(s) being	Wonto
Agency in	nspection records						PM	
Sampling Frequenc	у	Duration of Samp	oling	How Data Will Be	Reported		# ST	
Reporting			ille and from	I	to the corre			
Reporting Requiren		uirements and provide the t	title and frequenc	cy of report submittals	s to the agend		tal Frequency	
.zporma izedanen		1'	or roport			Cubility	a roquonoy	
	None			<i>N.</i> A.			N.A.	
		ny Alternate Compliance l	Demonstration				SIT FORM OP - D05	
MO 780-1519 (REV. /	April 11, 1996)			Duplicate this fo	rm as neede	d		Page D05F-9

FORM OP - DO	05 COMPLIAN	CE DETERMINATION	I METHODS	F	<b>EDERALLY E</b>	ENFORCEABL	CE Section D
Facility Name McDonnell Dou	ıglas Corporation		County No.	4160	Plant No.	)10	Year Submitted 1997
<b>Emission Point</b>	l No. Plant-wide	Emission Unit No.	Plant-wide	Applicable Requir	ement: 10	CSR 10-5.110 (	(3) and (4)
5. Compliance	e Demonstration Method	is (Testing, Monitoring, R	tecordkeeping, l	Reporting, etc.)			
Check the	Applicable Method			Basis of Complia	ance Method		
	Testing	✓ Monitoring			pplicable Requ	irements	
	Recordkeeping	Reporting		_/_ G	Sap Filling		
Testing							
		have been performed to quiting during the test and sun				1871 7000 7000 7000 7000 7000 7000 7000	
Date	Test Method	Firm		Operating Conditi	ons Si	ımmary of Resu	ilts
	N.A.						
	List parameters for which	records are being maintair or each recorded parameter			ourly, daily, etc.	) And the length	of time records are retained
Parameter (data	a) Being Recorded	Measurement Me	ethod		Frequency		Record Retention
	See Attachment B following Form OP-D05 for See Attachme			form OP-D05 for 2 D05S-8).		-	-
Monitoring							
		onitoring used, location of	monitor, pollutant	s being monitored, sa	ampling frequer	ncy and duration,	and data reporting method.
Monitoring Dev	/ice Type	Location Descrip	otion			Polit	utant(s) Being Monitored
1	nt B following Form OP-1 10-6.260 (Page D05S-8).	- 1					
Sampling Frequ	uency	Duration of Sam	pling	How Data Will Be	Reported		, , , , , , , , , , , , , , , , , , ,
Reporting	Describe all reporting req	uirements and provide the		cy of report submittals	s to the agency.		
Reporting Requ	uirement	T	Title of Report	- Walle		Submittal Fr	equency
No routine rep	porting. Records shall be agency upon reque	· ·		N.A.			N.A.
		ny Alternate Compliance	Demonstration			el as EXHIBIT FO	ORM OP - D05
MO 780-1519 (R	EV. April 11, 1996)			Duplicate this fo	rm as needed		Page D05F-10

FORM OP - D0	5 COMPLIAN	ICE DETERMINATION	METHODS	F	<i>FEDERALLY I</i>	<i>ENFORCEABI</i>	LE Section D
Facility Name McDonnell Doug	glas Corporation		County No.	4160	Plant No.	010	Year Submitted 1997
<b>Emission Point</b>	No. Plant-wide	Emission Unit No.	Plant-wide	Applicable Requir	rement: 10	O CSR 10-5.150 (	(2) and (3)
5. Compliance	Demonstration Metho	ds (Testing, Monitoring, F	lecordkeeping,				
Check the A	Applicable Method			Basis of Complia	ance Method		
	Testing	Monitoring			pplicable Requ	iirements	
	Recordkeeping	Reporting		/_ G	Sap Filling		
Testing			-				
		n have been performed to qualiting during the test and sun					
Date	Test Method	Firm		Operating Conditi	ions Si	ummary of Resu	ults
	N.A.						
Recordkeep	ing				•		
		n records are being maintair or each recorded parameter				) And the length	of time records are retained
Parameter (data	) Being Recorded	Measurement Me	ethod		Frequency		Record Retention
				Form OP-D05 for 2 D05S-8).		-	-
Monitoring							
				ts being monitored, sa	ampling freque		, and data reporting method.
Monitoring Devi	ice Type	Location Descrip	otion			Polit	utant(s) Being Monitored
	B following Form OP- 10-6.260 (Page D05S-8)	- 1					
Sampling Frequ	ency	Duration of Sam	pling	How Data Will Be	Reported		
Reporting		quirements and provide the	title and frequen	cv of report submittals	s to the agency		
Reporting Requ			Title of Report	, ,	,	Submittal Fr	requency
No routine rep	orting. Records shall be agency upon reque			N.A.			N.A.
A	Attach description for a	ny Alternate Compliance	Demonstration				ORM OP - D05
MO 780-1519 (RE	V. April 11, 1996)			Duplicate this fo	rm as needed		Page D05F-11

 			-	_
RM		)	2.2	5
LIAI	OF	-	-0	•

FEDERALLY ENFORCEABLE

Facility Name	Facility Name McDonnell Douglas Corporation			County No. 4160		0010	Year Submitted 1997
Emission Point	No. Plant-wide		ıt-wide	Applicable Requi	rement: 1	0 CSR 10-6.110	
5 Compliance	Demonstration Metho	ds (Testing, Monitoring, Ro	ecordkeeping, R	eporting, etc.)			
	Applicable Method			Basis of Complia	ance Method		\$
Oliocit and	Testing	✓ Monitoring		✓ A	pplicable Req	uirements	
	Recordkeeping	✓ Reporting		G	ap Filling		
				-			
Testing	Describe any tests which operating conditions exis	n have been performed to qu sting during the test and sum	antify emissions. mary of results.	Include the date of	•		The second secon
Date	Test Method	Firm		Operating Condit	tions	Summary of Res	sults
	1						
	N.A.						
Recordkee	aing			of such records (br	surly daily at	c ) And the length	of time records are retained
	List parameters for whic	h records are being maintain or each recorded parameter	ied, the trequency include the metho	of such records (no	Juliy, daliy, et	c.) And the length	of time records are retained
		Measurement Me	ethod		Frequency		Record Retention
Parameter (dat	a) Being Recorded	Measurement	Jillou		' '		
mate	ial and fuel usage data	use of plant put	use of plant purchasing records/material tracking			nnually	5 years
//	unu juot taange aaaa		system				
Monitoring							I I I I I I I I I I I I I I I I I I I
	Describe any emission r	monitoring used, location of r	monitor, pollutants	being monitored, s	ampling frequ	ency and duratio	n, and data reporting method. Ilutant(s) Being Monitored
Monitoring De	rice Type	Location Descrip	ption			1 50	nutant(s) being monitored
record keep	ing as identified in the o section	above					
Sampling Freq	uency	Duration of Sam	pling	How Data Will Be	e Reported		
Reporting		quirements and provide the	title and frequency	v of report submittal	s to the agen	CV.	
- "		quirements and provide the	Title of Report	, or report value	J	Submittal	Frequency
Reporting Req	uirement		Title of Report				
Prepare at	nd submit report on ann regulated polluta	ual emission rates of ints.	Emissions Inventory Questionnaire				annually
				Wathada mat listad	above and le	shal se FYHIRIT	FORM OP - D05
	Attach description for	any Alternate Compliance	Demonstration I	vietnoas not listea	above and la	Thei do EVIIIDII	Page DOSE 12

-	-		BA	0		(L.,	n	0	E
~	u	ĸ	IVI	്	~	-	u	u	O

## FEDERALLY ENFORCEABLE

Facility Name McDonnell Douglas Corporation			County No.	4160	Plant No.	0010	Year Submitted 1997
<b>Emission Point</b>	No. Plant-wide	Emission Unit No.	Plant-wide	Applicable Require	ement:	10 CSR 10-6.130	
5. Compliance	Demonstration Metho	ds (Testing, Monitoring, R	ecordkeeping, F	Reporting, etc.)			
Check the	Applicable Method			Basis of Complia	ance Metho	d	
	Testing	Monitoring		✓ A	pplicable Re	equirements	
	Recordkeeping	see below Reporting		G	ap Filling		
Testing							
		n have been performed to queting during the test and sum				57	1000 1000 1000 1000 1000 1000 1000 100
Date	Test Method	Firm		Operating Condition	ons	Summary of Resi	ults
	N.A.						
Recordkeep	List parameters for which	n records are being maintair or each recorded parameter	ned, the frequenc include the meth	y of such records (ho lod of measurement.	ourly, daily, e	etc.) And the length	of time records are retained
Parameter (data	a) Being Recorded	Measurement Me	thod		Frequenc	у	Record Retention
	N.A.						
Monitoring	2000					10000	
				s being monitored, sa	ampling frec		, and data reporting method.
Monitoring Dev	ice Type	Location Descrip	otion			Poll	utant(s) Being Monitored
`	N.A.						
Sampling Frequency	iency	Duration of Samp	pling	How Data Will Be	Reported		
Reporting							
		quirements and provide the		y of report submittals	s to the age		
Reporting Requ	irement	itle of Report			Submittal F	requency ification of the director	
director during stationary source		ition potential for its		0-6,130 Aleft	u – TW ,arrinis, – ara		N.A.
	Attach description for a	ny Alternate Compliance	Demonstration I	Methods not listed a	above and	label as EXHIBIT F	ORM OP - D05

		1
	$\cap$ D	- D05
I ZIAI	$\mathbf{O}$	- 200

FEDERALLY ENFORCEABLE

Facility Name	glas Corporation		County No. 4160		Plant No. 0010		Year Submitted 1997	
	No. Plant-wide	Emission Unit No.	Plant-wide	Applicable Requir	ement:	10 CSR 10-6.180	· · · · · · · · · · · · · · · · · · ·	
5. Compliance	Demonstration Method	s (Testing, Monitaring, R	ecordikeeping, f	Reparting, etc.)				
Check the	Applicable Method			Basis of Complia	ance Method	***************************************		
1	Testing	Monitoring		✓ A	pplicable Re	quirements		
	Recordkeeping	✓ Reporting		G	ap Filling			
Testing								
		have been performed to quiting during the test and sum						
Date	Test Method	Firm		Operating Conditi	ons	Summary of Resu	ılts	
	47							
	per the requirements of Sections (1) and (2) of t	•						
1	and at the request of the	•						
	agency director							
Recordkee	enic							
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.								
Davomatay (dat	a) Being Recorded	Measurement Me		iou oi measurement.	Frequency	ı	Record Retention	
Parameter (dat	a) being Recorded	Wedsurement we	tiiou		Troquency			
	N.A.							
Monitoring								
Manifesina De		onitoring used, location of r		s being monitored, sa	ampling frequ	uency and duration	, and data reporting method. utant(s) Being Monitored	
Monitoring Dev	vice Type	Location Descrip	JUON				utant(3) being monitored	
	<i>N.A.</i>							
Sampling Freq	uency	Duration of Sam	pling	How Data Will Be	Reported			
Reporting								
		uirements and provide the		cy of report submittals	s to the agen	cy.		
Reporting Req	uirement	1	itle of Report			Submittal Fr	requency	
per the	e requirements of Section	(1) of the rule		-		per the req	uirements of Section (1) of the rule	
	Attach description for a	ny Alternate Compliance	Demonstration	Methods not listed a	above and la	abel as EXHIBIT F	ORM OP - D05	

<b>-</b> 0	R	M	10	P	_	D	N	5

FEDERALLY ENFORCEABLE

Facility Name McDonnell Douglas	Corporation		County No.	1160	Plant No. 001	0	Year Submitted 1997
Emission Point No.	BF-STC-03	Emission Unit No.	BF-STC-03	Applicable subse 63.753 for Aeros	irement: 40 CFR ctions of: 63.743, space Cleaning O	63.744, 63.7	part GG: 49, 63.750, 63.752, and
	nonstration Methods (Test	ng, Monitoring, Record	keeping, Reporti				
Check the	Applicable Method			Basis of Compl			
	Testing	Monitoring			Applicable Require	ments	
	Recordkeeping	✓ Reporting			Bap Filling		
Testing							
	cribe any tests which have be ating conditions existing duri			de the date of the t	est, methods and	procedures u	sed, testing company,
Date	Test Method	Firm		Operating Cond	itions	Summary o	f Results
-	composition and vapor prodeterminations: per the requirements of the applicables subsections of 63.750		V.A.	N.A.		N.A.	
Recordkeeping							
					daily, etc.) And th	e length of tin	ne records are retained from
Parameter (data) Be	late of entry. For each record			urement.	Frequency		Record Retention
1 ' '	of the applicable subsection		Measurement Method		as required by the applic-		5 years
	the cleaning compliance of					s of 63.752	3 years
chosen	one crowning comprising of		organic HAP content, MSDS, etc.			-,	
Monitoring							
	cribe any emission monitorin			g monitored, sampli	ing frequency and		
Monitoring Device T	уре	Location Des	cription			Poll	utant(s) Being Monitored
	N.A.						
Sampling Frequency	1	Duration of S	ampling	How Data Will B	e Reported		
		•					
Reporting							
	cribe all reporting requiremen	its and provide the title ar		port submittals to t	ne agency.	00000	
Reporting Requirem			Title of Report		_	Submittal F	•
1) notification of con	npliance status		1) Notification of	f Compliance Stat	us Report	l) when sou rule	rce becomes subject to the
2) semiannual reports including information requested by the applicable subsections of 63.753			2) Semiannual Report 2) every six (6) months from the da the notification of compliance statu				
Att	ach description for any Alt	ernate Compliance Dem	onstration Meth	ods not listed abo	ve and label as E	XHIBIT FORI	M OP - D05

F	O	RI	M	0	P	_	D	n:	5

FEDERALLY ENFORCEABLE

Facility Name McDonnell Douglas Corporation			County No.	1160	Plant No.	0	Year Submitted 1997	
Emission Point No.	CC-STC-01	Emission Unit No.	CC-STC-01	Applicable subse	uirement: 40 CFR . ections of: 63.743, ( ospace Spray Gun (	63.744, 63.749,	63.751, 63.752, and	
5. Compliance Dem	onstration Methods (Testin	g, Monitoring, Record	keeping, Repor	ling, etc.)				
Check the	Applicable Method	/ Manitoring		Basis of Comp				
	Testing Recordkeeping	/ Monitoring/ Reporting			Applicable Requirem Sap Filling	ients		
	recordice oping	v_ Reporting			pap i illing			
	ibe any tests which have bee ting conditions existing during			ide the date of the	test, methods and p	procedures used	I, testing company,	
Date	Test Method	Firm		Operating Cond	itions	Summary of F	Results	
-								
	<i>N.A.</i>	Λ	V.A.	ľ	V.A.		N.A.	
Recordkeeping								
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.								
Parameter (data) Bei	_	Measurement			Frequency		Record Retention	
	of the applicable subsections the compliance method chos		as required by the applicable subsections of 63.752 for the compliance method chosen			applicable 752 for the od chosen	5 years	
Monitoring								
Monitoring Device Ty	ibe any emission monitoring u	Location of monito		g monitored, samp	ling frequency and		ta reporting method. tant(s) Being	
	of the applicable subsections		cription			Poliu	tailt(s) being	
	the compliance method chos	•						
Sampling Frequency	<b>,</b>	Duration of Sa	ampling	How Data Will B	e Reported			
camping requestor			<b>.</b>					
Reporting		,						
	be all reporting requirements			port submittals to t	he agency.			
Reporting Requirement		1	Title of Report			Submittal Fred	•	
1) notification of com	pliance status		1) Notification of	of Compliance Sta	tus Report	· .	e becomes subject to the	
2)	414 : -1 4:	.646	2) 9	D		rule		
-	that identify requirements of for the compliance method of		2) Semiannual Report			2) every six (6) months from the date of the notification of compliance status		
	Attach description for any Alf	ternate Compliance Dem	onstration Metho	ds not listed above	and label as FYHIR	IT FORM OP - DO	75	

ORM OP	5 COMPLIANO	CE DETERMINATION ME	ETHODS	FE	DERALLY	ENFORCEA	BLE Sec	ction D
Facility Name	uglas Corporation		County No.	4160	Plant No.	0010	Year Submitted 1997	
Emission Poin No.	t CC-STC-01 E	Emission Unit No. CC-50 CC-506-03, and CC-598-01 the CC-598-05, CC-STC-01	6-01 through rough	Applicable Requ	irement:	10 CSR 10-5	.300	
5. Compliand	e Demonstration Method	s (Testing, Monitoring, Reco	rdkeeping, Repo	orting, etc.)				
Check the	Applicable Method			Basis of Compl				
	Testing	✓ Monitoring			Applicable Requirements			
<b>/</b>	Recordkeeping	Reporting	Reporting					
Testing							recodures used testing s	ompany
	Describe any tests which operating conditions exis	have been performed to qua ting during the test and sumn	ntify emissions. nary of results.	Include the date o	r the test, n		rocedures used, testing c	Ompany
Date	Test Method	Firm		Operating Condi	itions	Summary of	Results	
	N.A.							
Recordke	eping						the films asserts are rate	ninad
	List parameters for which from the date of entry. Fo	records are being maintained, reach recorded parameter inc	, the frequency of lude the method	f such records (hou of measurement.	rly, daily, etc	c.) And the leng		
Parameter (da	ta) Being Recorded	Measurement Metho	d		Frequenc	у	Record Retention	1
	es and purchases sumptions and wastes gene		be kept of solvent types and purchases. be kept of solvent consumptions and		1) monthly 2) as they occur		1) 5 years 2) 5 years	
3) maintenand 4) operator tro	ce and repair logs aining	3) Records shall be kellings.	be kept of maintenance and repair keep records of training of degreaser eir supervisors.		<ul><li>3) as they occur</li><li>4) once per year</li></ul>		<ul><li>3) 5 years</li><li>4) 5 years</li></ul>	······
Monitoring								- 411
	Describe any emission m	onitoring used, location of mor	nitor, pollutants b	eing monitored, san	npling frequ	ency and dura	ion, and data reporting me Pollutant(s) Being Mor	atnoa.
Monitoring De record keeping section	evice Type  g as identified in the above	Location Description	1				Politicality Deling Mor	intorcu
Sampling Free	quency	Duration of Sampling	9	How Data Will B	e Reported	l		
Reporting			14 14 14 15 16 16 16 16 16 16 16 16 16 16 16 16 16					
//		uirements and provide the title		of report submittals t	to the agenc		44 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
Reporting Re		1	Title of Report	** .		Submi	ttal Frequency	
No routine rep	porting. Records available	upon agency request.		N.A.			N.A.	
	Attach description for a	any Alternate Compliance De	monstration Me	ethods not listed al	bove and la	ibei as EXHIB	11 FORM OP - D05	

			_	_	. 1	Donney .
FO	R	M	O	P	-	<b>DU</b> 5
		LWA	$\sim$			

FEDERALLY	<b>ENFORCEABLE</b>
<i>rederalli</i>	LINTORCHADLE

Facility Name McDonnell Do	uglas Corporation		County No.	160	Plant No.	0010	Year Submitted 1997
Emission Poin	t No.	Emission Unit No.		Applicable Requir	ement:	10 CSR 10-6.06	0, Construction Permit
	CC-STC-01	CC-598-02 and Co				#0396-014	
5. Compliance	e Demonstration Method	ds (Testing, Monitoring, Re	cordkeeping, Rep				bridge State of
Check the	Applicable Method			Basis of Complia	ince Method		
	Testing	✓ Monitoring		✓ Applicable Requirements			
<b>√</b>	Recordkeeping	✓ Reporting		Gap Filling			
Testing	Describe any tests whic company, operating con	h have been performed to q ditions existing during the te	uantify emissions est and summary	of results.			
Date	Test Method N.A.	Firm		Operating Conditions Summary of		Summary of Res	sults
Recordkee	ping						
	List parameters for which	n records are being maintaine or each recorded parameter i	ed, the frequency of include the method	of such records (hord of measurement.			
Parameter (da	ta) Being Recorded	Measurement Me		_	Frequency		Record Retention
	VOC		ission tracking re	ecord	1	nonthly	5 years
(mont	hly and 12 month totals)						
Monitoring							and data reporting mothed
11 11 1 1		nonitoring used, location of m	nonitor, pollutants	being monitored, sa	mpling frequ	ency and duration	Ilutant(s) Being Monitored
Monitoring De record keeping section	as identified in the abo	ve					
Sampling Free	uency	Duration of Samp	pling	How Data Will Be	Reported		
Reporting							
	Describe all reporting re-	quirements and provide the ti		of report submittals	to the agenc		
Reporting Rec		1	itle of Report			Submittal I	
1	edance of the VOC limit	t no later than 10 days				1) as excee	edances occur
after the end of 2) Routine recordest.	•	able to the agency upon		-		2) N.A.	
	Attach description for	any Alternate Compliance I	Demonstration M	lethods not listed a	above and la	bel as EXHIBIT I	FORM OP - D05

FORM OP - D05	COMPLIANCE DE	TERMINATION ME	THODS	FEI	DERALLY ENFOR	RCEABLE	Section D
Facility Name McDonnell Douglas	Corporation		County No.	1160	Plant No. 001	0	Year Submitted 1997
Emission Point No.	CL-STC-01	Emission Unit No.  See Table D05-	1 (attached)	Applicable subse	uirement: 40 CFR ections of: 63.743, Aerospace Primer	63.745, 63.749,	63.750, 63.751, 63.752,
5. Compliance Den	nonstration Methods (Testin	g, Monitoring, Record	ikeeping, Repor	ting, etc.)	lianaa Mathad		
Check the	Applicable Method Testing	✓_ Monitoring	1	Basis of Compl	liance Method Applicable Requiren	nents	
	Recordkeeping	✓ Reporting	1		Sap Filling		
Testing Desc	ribe any tests which have bee	n performed to quantify	emissions. Inclu	ide the date of the	test, methods and <sub>l</sub>	procedures use	d, testing company,
Date opera	iting conditions existing during	the test and summary	of results.	Operating Cond	litions	Summary of I	Poculto
-	per the requirements of applicable subsections of (	the	V.A.		V.A.	Summary of t	N.A.
	arameters for which records a ate of entry. For each recorde	are being maintained, th			, daily, etc.) And the	e length of time	records are retained from
Parameter (data) Bei		Measuremen			Frequency		Record Retention
- "	of the applicable subsections the compliance method chos		y the applicable s e compliance mei	as required by the subsections of 63. compliance metho	752 for the	5 years	
Monitoring	ribe any emission monitoring (	used location of monito	or pollutante boin	a monitored same	ling fraguency and	duration, and de	ata reporting method
Monitoring Device T		Location Des		g monitored, samp	ing nequency and		itant(s) Being
per the requirements	of the applicable subsections the compliance method chos		·				
Sampling Frequency		Duration of S	ampling	How Data Will B	e Reported		***************************************
Reporting	ika ali aasati a aasati aasaa Aa	and arraids the title of	- d & &		U		
Reporting Requirem	ribe all reporting requirements ent	and provide the title ar	Title of Report	eport submittals to	tne agency.	Submittal Fre	guency
1) notification of con			•	of Compliance Sta	tus Report	1	re becomes subject to the
	s that identify requirements of for the compliance method of			Certification Repo ceedance Report (		2) every six (6)	) months from the date tion of compliance
	the requirements of 63.753( e limits specified by the filter		3) Exceedance I	Report			e (12) months from the tification of compliance
	Attach description for any Al	ternate Compliance Den				BIT FORM OP - D	
MO 780-1519 (REV.	April 11, 1996)		Di	uplicate this form	as needed		Page D05F-19

# MCDONNELL DOUGLAS CORPORATION

St. Charles, Missouri Tract V

# Table D05-1: Spray Booths Subject to 40 CFR 63 Subpart GG Aerospace NESHAP

EIQ Emission Point No.	Emission Unit No.	Description	Manufacturer/Model No./ Date of Manufacture	Stack No.
CL-STC-01	SB-598-01	Spray Booth (Aerospace Production)	Unknown	SB-598-01
CL-STC-01	SB-598-02	Spray Booth (Aerospace Production)	Unknown	SB-598-02
CL-STC-01	SB-598-03	Spray Booth (Aerospace Production)	Unknown	SB-598-03
CL-STC-01	SB-598-04	Spray Booth (Aerospace Production)	Unknown	SB-598-04
CL-STC-01	SB-598-05	Spray Booth (Aerospace Production)	Unknown	SB-598-05
CL-STC-01	SB-599-01	Paint Booth (Aerospace Production)	Unknown	SB-599-01

FORM OP - D05 COMPLIAN	ICE DETERMINATIO	ON METHODS	1	FEDERALL)	Y ENFORCEABL	LE Section D
Facility Name McDonnell Douglas Corporation		County No.	4160	Plant No.	0010	Year Submitted 1997
Emission Point No. CL-STC-01	•	Spray Booths through SB-598-08, , and SB-599-01	Applicable Requ	irement:	10 CSR 10-5.050	
5. Compliance Demonstration Metho	ds (Testing, Monitoring	, Recordkeeping, R	eparting, etc.)			
Check the Applicable Method			Basis of Compli	ance Method		
Testing	✓ Monitoring			Applicable Re	quirements	
Recordkeeping	Reporting			Sap Filling		
Testing  Describe any tests which operating conditions exise  Date  Test Method	n have been performed to ting during the test and s	o quantify emissions. summary of results.	Include the date of		hods and procedu	ures used, testing company,
N.A.	Film		Operating Condi	LIONS	Summary of Res	suits
from the date of entry. Fo	or each recorded parame	eter include the method	of such records (hood of measurement.			n of time records are retained
Parameter (data) Being Recorded	Measurement	Method		Frequency		Record Retention
material throughputs and PM emissio	material throug	engineering and mass balance calculations using material throughputs (from purchasing data), spray gun transfer efficiency, and booth filter efficiency		annually (hourly rate back calculated from annual emission rate)		5 years
Manitoring						
Describe any emission m  Monitoring Device Type	nonitoring used, location of Location Desc		being monitored, sa	ampling frequ		n, and data reporting method.
record keeping as identified in the above section	e	•			Pol	llutant(s) Being Monitored
Sampling Frequency	Duration of Sa	impling	How Data Will Be	Reported		
Reporting  Describe all reporting red	uirements and provide th	ne title and frequency	of report submittals	s to the agen	~\/	
Reporting Requirement	direments and provide ti	Title of Report	or report submittals	s to the agent	Submittal F	requency
None			N.A.		;	N.A.
Attach description for a	ny Alternate Compliand	ce Demonstration N	lethods not listed a	above and la	bel as EXHIBIT I	
MO 780-1519 (REV. April 11, 1996)			Duplicate this fo	rm as neede	d	Page D05F-21

Duplicate this form as needed

Page D05F-21

FORM OP - D	005 COMPLIAN	ICE DETERMINATION	METHODS	FEDERA	LLY ENFO	RCEABLE	Section D
Facility Name McDonnell Do	uglas Corporation		County No.	4160	Plant No.	0010	Year Submitted 1997
	nt No. CL-STC-01		oray Booths, ough SB-598-08, d SB-599-01	Applicable Requi	rement:	10 CSR 10-5.330	
		ds (Testing, Monitoring, Re	ecordkeeping, R				
Check the	e Applicable Method			Basis of Complia			
	Testing Recordkeeping	Monitoring Reporting			pplicable Red ap Filling	quirements	
Testing		n have been performed to quation		Include the date of	the test, met	hods and procedur	es used, testing company,
Date	Test Method <i>N.A.</i>	Firm		Operating Condit	ions	Summary of Resu	ults
Recordkee	List parameters for which	n records are being maintaine or each recorded parameter i			ourly, daily, et	tc.) And the length	of time records are retained
· ·	ta) Being Recorded Section (6) of the rule	Measurement Me As required by Se		rule	Frequency As required of the rule	l by Section (6)	Record Retention 5 years
Monitoring							
Monitoring De record keeping section		nonitoring used, location of m  Location Descrip		s being monitored, sa	ampling frequ		, and data reporting method. utant(s) Being Monitored
Sampling Free	quency	Duration of Samp	oling	How Data Will Be	Reported		
Reporting		quirements and provide the ti	itle and frequency	ı / of report submittals	s to the agend	cy.	
Reporting Rec	uirement	T	itle of Report			Submittal Fr	requency
None required				N.A.			N.A.
	Attach description for a	ny Alternate Compliance D	Demonstration N	lethods not listed a	above and la	bel as EXHIBIT F	ORM OP - D05
MO 780-1519 (F	REV. April 11, 1996)			Duplicate this for	rm as neede	d	Page D05F-22

ORM OP - DO	) 5 COMPLIAN	CE DETERMINATION	METHODS	F	EDERALLY	ENFORCEABLE	Section Section
Facility Name McDonnell Douglas Corporation		County No.		Plant No.		0010	Year Submitted 1997
Emission Point	No. Combustion Sources, See Table D05-2 (attached)	(a	ee Table D05-2 ttached)	Applicable Requi	rement:	10 CSR 10-5.030	(2)(B)2. and (3)(B)2.
		is (Testing, Monitoring, R	ecordkeeping, Re	porting, etc.) Basis of Complia	anaa Mathad		
Check the Applicable Method					•		
Testing		Monitoring		Applicable Requirements			4
✓ Recordkeeping		Reporting		G	Sap Filling		i
Testing	Describe any tests which company, operating con	h have been performed to ditions existing during the	quantify emissions test and summary	of results.			
Date	Test Method	Firm		Operating Condit	tions	Summary of Resi	uits
	N.A.						
Recordkee	ping						f time accords are retained
	List parameters for which from the date of entry. For	n records are being maintair or each recorded parameter	ned, the frequency include the metho	of such records (ho d of measurement.	urly, daily, et	c.) And the length o	of time records are retained
Parameter (data) Being Recorded		Measurement Method		Frequency		<b>y</b>	Record Retention
See Attachment A		See Attachment A		A	N.A.		N.A.
Monitoring						veney and duration	and data reporting method
		nonitoring used, location of	ised, location of monitor, pollutants being monitored, sa		ampling frequ	Pollutant(s) Being Monitor	
Monitoring Device Type		Location Descrip	otion			101	idealit(b) Doing incline
See Attachment A							
Sampling Frequency		Duration of Sam	pling	How Data Will Be	Reported		
Reporting						CALL STREET	
	Describe all reporting re-	quirements and provide the	title and frequency	of report submittals	to the agen	су.	

**Submittal Frequency** Title of Report Reporting Requirement N.A. N.A. None

Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05

# McDONNELL DOUGLAS CORPORATION ST. LOUIS, MISSOURI TRACT V

#### ATTACHMENT A

Form OP - D05 Compliance Determination Methods

10 CSR 10-5.030 Maximum Allowable Emission of Particulate Matter From Fuel Burning Equipment Used For Indirect Heating

Emission Point Nos. (See Table D05-2)

10 CSR 10-5.030 (2)(B)2.

For "Existing" Sources (Prior to Feb. 15, 1979):

Boilers, Space Heaters, and Misc. Combustion Equipment
(NG and FO)

(The AP-42 emission factors were used as the method to demonstrate a "one-time" compliance determination with the PM emission limits developed per 10 CSR 10-5.030.) Per 10 CSR 10-5.030 (2)(B)2., each indirect heating source has a PM emission limit determined by  $E = 1.09 Q^{-0.259}$ , where Q = the total heat input of all "existing" indirect heating sources at the facility. The total Q for the facility is 39 MMBtu/hr and the corresponding PM emission limit for each boiler, space heater, and other miscellaneous indirect heating source is 0.42 lb/MMBtu of heat input. This emission limit is higher than the AP-42 emission factors that would be otherwise used as a method of determining compliance with this limit. For example, for natural gas-fired boilers and space heaters (10-100 MMBtu/hr), the AP-42 emission factor is 13.7 lb/MMCF (i.e., 0.014 lb/MMBtu); and for boilers rated <10 MMBtu/hr, the AP-42 emission factor is 11.9 lb/MMCF (i.e., 0.012 lb/MMBtu). These emission factors are based on the actual stack test results of numerous natural gas-fired boilers and serve as an accurate representation of the PM emission rate. Therefore, since the emission rate limit determined for this facility is much higher than the emission rate expected from natural gas boilers and space heaters (as indicated by the AP-42 emission factor), these sources will always be in compliance with this regulation.